Amendments to the Specification:

Please amend the title to read as follows:

METHOD ~~OF~~ FOR PREPARING LANGERHANS CELL FROM ~~CD14-POSITIVE CELL BEING~~ HUMAN PERIPHERAL-BLOOD MONONUCLEAR CELL i.e., CD14-POSITIVE CELL, USING ~~WITH USE OF~~ NOTCH LIGAND DELTA-1, GM-CSF AND TGF-β

Please amend the specification as follows:

Please amend the paragraph bridging pages 30 & 31 with the following rewritten paragraph:

As shown in Fig. 10, mature LCs generated from CD14-positive cells activate peptide-specific CD8-positive cells. Mature LCs were prepared from the CD14-positive cells obtained from healthy HLA-A0201-positive volunteers using Delta-1, GM-CSF, TGF-β, CD40 ligand, and TNF-α. The autologous CD8-positive T cells (2×10^5 cells) were stimulated with the mature LCs (4×10^4 cells) that had been pulsed with the modified Melan-A_{26-35} peptides (A27L) for 10 days. Thereafter, the CD8-positive cells were collected, and the CD8-positive cells (1×10^4 cells) were cultured together with the T2 cells (5×10^4 cells), which had been pulsed with the modified Melan-A_{26-35} peptides (A27L) (ELAGIGILTV) (SEQ ID NO: 7) on an Elispot plate. The number of autologous CD8-positive T cells producing interferon-γ was determined 18 hours later. In the drawing, each bar represents an average of 2 measured values. Two experimental operations are described.

Please amend the paragraph bridging pages 31 & 32 with the following rewritten paragraph:

As is shown in the results obtained in Example 2, Delta-1 was found to affect CD14-positive monocytes derived from human peripheral blood based on an increased level of HES-1 gene expression, which is a target gene of Notch signal. As a result of observing the resulting LCs under an electronic microscope, Birbeck granules specific for LCs were found to be generated. Also, these LCs were found to have phagocytic activity. When LCs were allowed to react with CD40 ligand and TNF-α, the expression levels of major histocompatibility complex (MHC) class I (HLA-ABC) and class II (HLA-DR), co-stimulatory molecules CD80 and CD86, and adhesion molecules CD40 and CD54 were significantly increased, and the expression of CD83 was also observed. This indicates that the generated LCs are capable of maturation. With the use of the modified

Melan-A_{26-35} peptides (A27L) (ELAGIGILTV) (SEQ ID NO: 7) derived from the Melan-A molecule, i.e., a cancer-testis antigen, and having a binding motif to HLA-A0201, the capacity of the mature LCs to induce cytotoxic T lymphocytes (CTL) specific for the Melan-A molecules was inspected via the enzyme-linked immunosorbent spot (Elispot) assay. As a result, mature LCs were found to induce the expression of CD8-positive CTL reacting with the Melan-A molecules. The capacity of LCs to stimulate autologous CD4-positive T cells was higher than that of mature dendritic cells (DC), which had been differentiated from CD14-positive monocytes of human peripheral blood in the presence of GM-CSF, interleukin-4 (IL-4), CD40 ligand, and TNF-α.